

AMENDMENT

In the Specification:

On page 29, beginning at line 19, please replace lines 19-25 with the following lines:

FIG. 29A-29B. Nucleotide sequence of pRIG14. (SEQ ID NO: 21).

FIG. 30A-30C. Nucleotide sequence of pRIG19. (SEQ ID NO.: 22).

FIG. 31A-31C. Nucleotide sequence of pRIG20. (SEQ ID NO.: 23).

FIG. 32A-32C. Nucleotide sequence of pRIGad1. (SEQ ID NO.: 24).

FIG. 33A-33D. Nucleotide sequence of pRIGbd1. (SEQ ID NO.: 25).

FIG. 34A-34B. Nucleotide sequence of pUniBAC. (SEQ ID NO.: 26).

FIG. 35A-35B. Nucleotide sequence of pRIG22. (SEQ ID NO.: 27).

Please put a period after the text in lines 10 and 11 on page 130 as follows:

(g) Incubate at 4°C (hold).

(h) END.

Please put a period after the text in line 22 on page 134 as follows:

(ii) 30 cycles of 92°C denaturation for 15 sec; 60°C primer
annealing for 20 sec; and 72°C primer extension for
40 sec.

Please put a period after the text in line 30 on page 140 as follows:

35) After binding collect SA-PMPs through use of a magnet and recover flow through

material (SAVE THIS MATERIAL!). In line 26, page 140, after "add" please substitute -- the-- for "he" as follows:

33) Purifying the products of the second strand reaction using the PCR cleanup kit from Qiagen. Elute in 50 μ l EB and add the products of the second strand reaction to 150 μ l of the PMPs.

In the Claims

Please amend the claims as follows:

62. (Once amended) A method for drug discovery comprising:

(a) integrating a vector into the genome of one or more eukaryotic cells, wherein said vector integration activates expression of an endogenous gene in said one or more cells;

(b) culturing said one or more cells under conditions favoring expression of said activated gene, thereby producing a gene product of said activated gene;

(c) screening said one or more cells for a cell in which a desired gene is activated or for a cell in which a desired phenotype is induced by said activated gene;